

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1.- 8. (Canceled)

9. (Withdrawn, Currently Amended) Plant cells, plant tissue or plant prepared by the method according to claim 22, [[27,]] 28 or 29.

10.-11. (Canceled)

12. (Withdrawn) Angiosperm cells, angiosperm tissue or angiosperm prepared by the method according to claim 23.

13.- 14. (Canceled)

15. (Withdrawn) The monocotyledon cells, monocotyledon tissue or monocotyledon prepared by the method according to claim 24.

16.- 17. (Canceled)

18. (Withdrawn) The cells of the plant belonging to family Gramineae, the tissue of the plant belonging to family Gramineae, or the plant belonging to family Gramineae prepared by the method according to claim 25.

19.- 20. (Canceled)

21. (Withdrawn) Rice cells, rice tissue, rice, maize cells, maize tissue or maize prepared by the method according to claim 26.

22. (Previously Presented) A method for transforming a plant, plant cell, or plant tissue with a desired gene comprising

centrifuging the plant cell, the plant tissue or the plant; under a centrifugal acceleration of 1000G to 150,000G and

contacting the plant, the plant cell, or the plant tissue with *Agrobacterium*, wherein said *Agrobacterium* includes the desired gene and wherein said centrifugation promotes efficiency of the transformation of the desired gene into said plant cell, tissue or plant.

23. (Previously Presented) The method according to claim 22, wherein said plant cell, said plant tissue or said plant is an angiosperm.

24. (Previously Presented) The method according to claim 22, wherein said plant cell, said plant tissue or said plant is a monocotyledon.

25. (Previously Presented) The method according to claim 24, wherein said plant cell, said plant tissue or said plant belongs to the family Gramineae.

26. (Previously Presented) The method according to claim 25, wherein said plant cell, said plant tissue or said plant is rice or maize.

27. (Previously Presented) The method according to any of claims 22-26 wherein said contacting is carried out after centrifuging said plant cell, said plant tissue or said plant.

28. (Previously Presented) The method according to claim 27, wherein said centrifugation is carried out for 1 second to 4 hours.

29. (Previously Presented) The method according to claim 28, wherein said centrifugation is carried out for 5 minutes to 2 hours.

30. (New) A method for transforming a plant, plant cell, or plant tissue with a desired gene comprising:

centrifuging from 5 minutes to 2 hours a rice or a maize angiosperm or monocotyledon

from the family *Gramineae* under a centrifugal acceleration of 1000G to 150,000G;

and

contacting said rice or said maize angiosperm or monocotyledon with *Agrobacterium*,

wherein said *Agrobacterium* includes the desired gene and wherein said

centrifugation promotes efficiency of the transformation of the desired gene into said

plant cell, tissue or plant.